



WELCOME! DESIGN PUBLIC HEARING

*Sand Mill Road over Dry Brook,
Cheshire – Bridge Replacement*

Virtual Presentation | March 10, 2022 | 7:00 PM

Project File No. 608857

Zoom controls



- Drop down menu to check microphone and speakers



- Ask a question and share comments



- Raise your hand



- If you are unable to access the internet or are having technical problems, please call into the meeting at 1-301-715-8592, Webinar ID: 846 9009 2583



If you have trouble with the meeting technology during the presentation, please call:

1-888-799-9666

Closed captioning automatically generated by Zoom



Unmute



Start Video



Q&A



Raise Hand

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Public meeting notes and procedures

Notification of Record Retention

- The Massachusetts Department of Transportation may choose to retain and distribute the still images, Q&A, attendees and/or chat transcript.
- By continuing attendance with this virtual public meeting, you are consenting to participate in public record retention
- All chat & Q&A transcript will be considered a public record.

Important notes

- Your microphone and webcam are automatically disabled upon entering the meeting.
- The meeting will be open to questions and answers at the end of the presentation.
- Please take time to respond to our survey at the end of the presentation. Your feedback is important.

All questions and comments are welcome and appreciated, however we do request that you refrain from any disrespectful comments.

Public Hearing Notification

MassDOT is committed to providing multiple options for members of the public to learn about public hearings to increase participation.

This hearing was noticed by the following means:

- Inclusion on the MassDOT hearing calendar website
- Notice run in the Berkshire Eagle:
 - *February 24th*
 - *March 3rd*
- Coordination with the Town of Cheshire
 - *Town officials were involved in the process of design public hearing.*
- Social Media
 -  • *MassDOT Twitter Advertisements for this hearing were posted on the official MassDOT Twitter account.*
 -  • *Town of Cheshire Webpage and Facebook Account*

Agenda

- **Introductions**
- **Project Location**
- **Existing Conditions**
- **Project Goals**
- **Design Alternatives**
- **Property Impacts**
- **Environmental Impacts**
- **Construction / Traffic Impacts**
- **Schedule of Next Steps**
- **Questions / Discussion**



Introductions

MassDOT Highway Division - Responsible for administering the Design Process and providing Resident Engineer Services

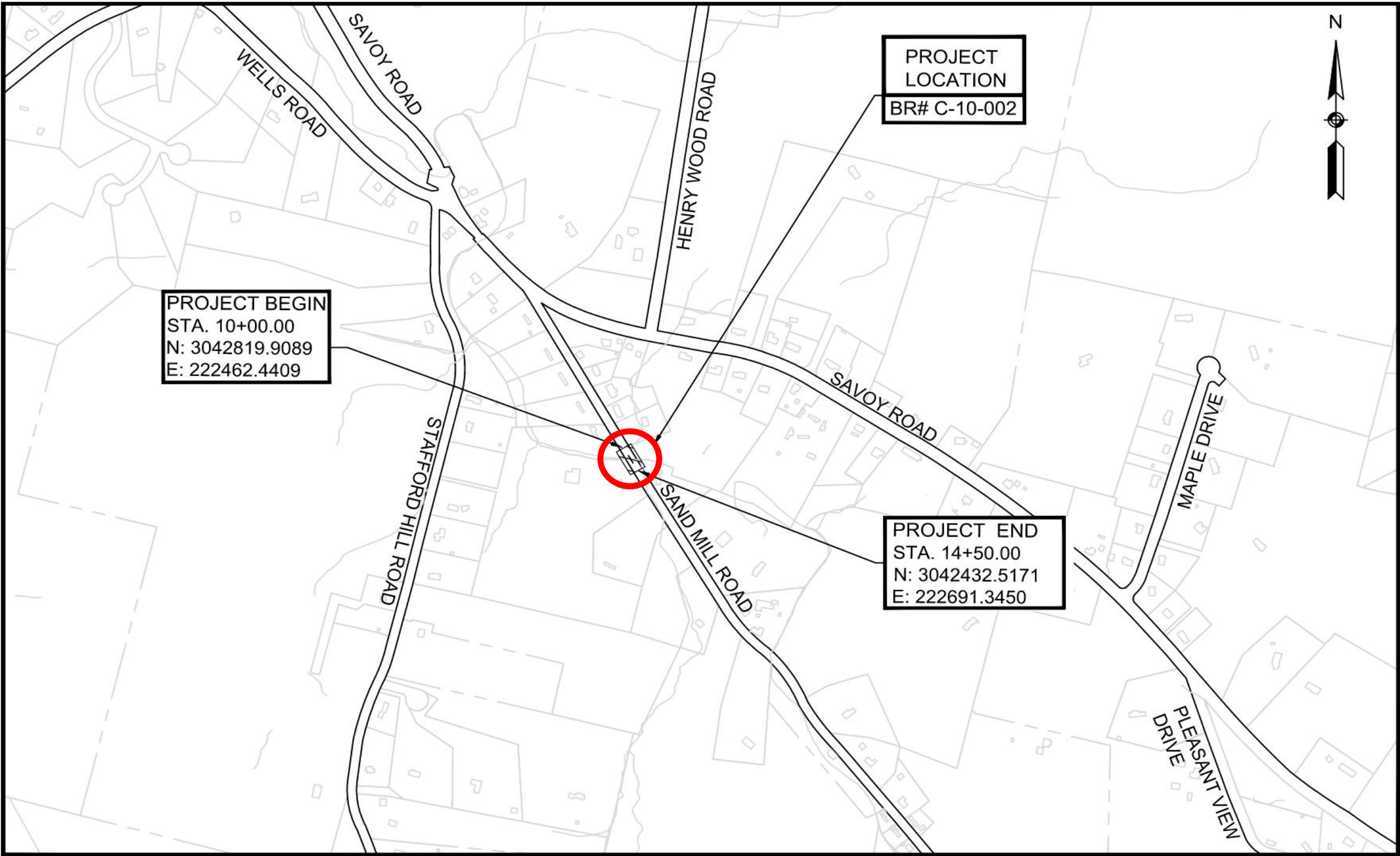
- **MassDOT Project Manager** – Hung Pham
- **MassDOT ROW Bureau** – Karen Axtell
- **MassDOT District 1** – Mark Devylder
- **MassDOT Producers** – Courtney Sulerud & Roy Kirwa

Design Consultant – Weston & Sampson – Michael Croteau, P.E. and Scott Bruso, P.E.

Town of Cheshire – Jennifer Morse, Town Administrator & Robert Navin, Highway Superintendent

Stenographer - Greg Tarbox

Project Location



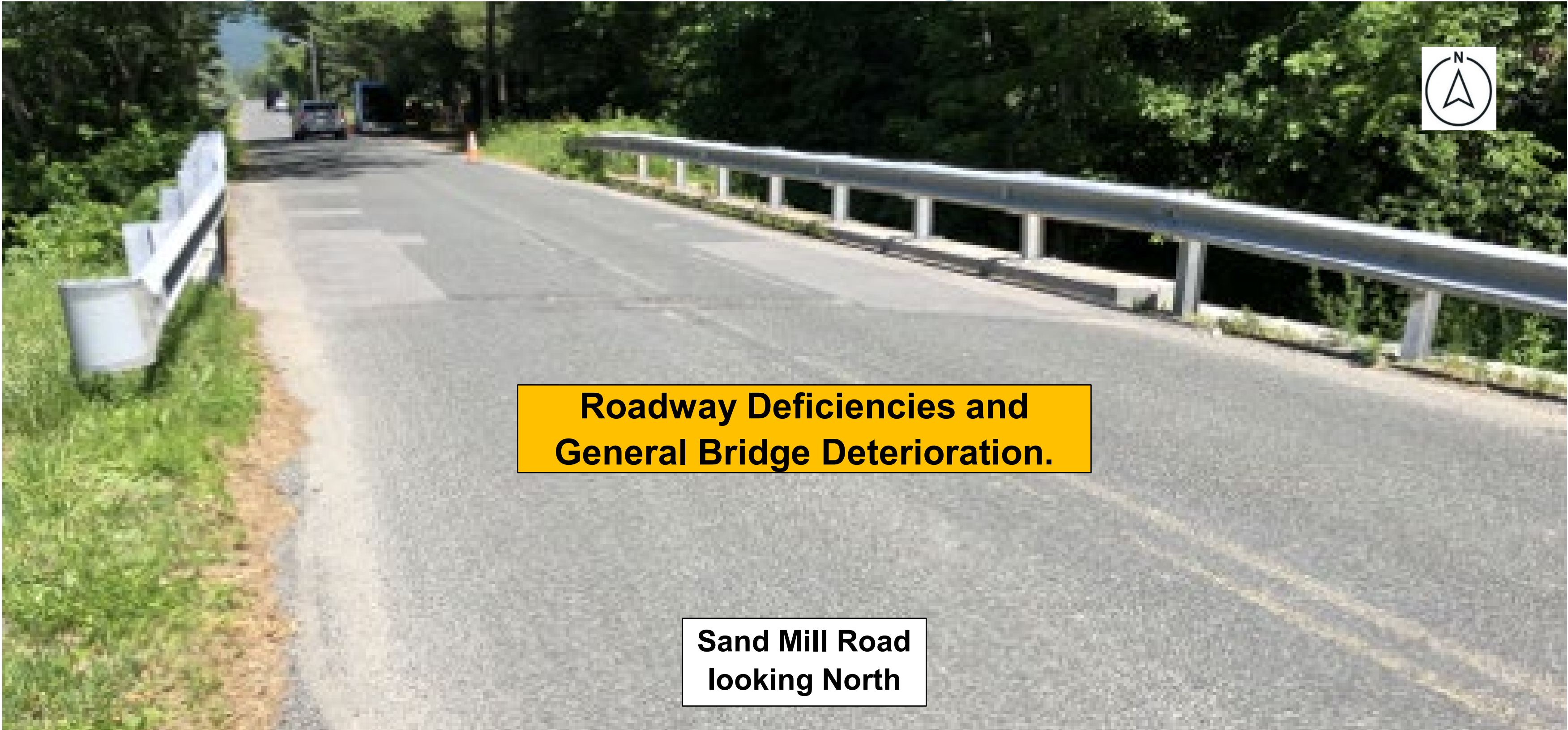
How did we get here?





**Why was this
project
initiated?**

Existing Conditions - Roadway



Existing Conditions - Roadway

Narrow roadway width over the bridge. Substandard guardrail.



Pavement deterioration at joint.



Existing Conditions - Bridge

Concrete deterioration.



Steel deterioration, cracks in the deck.



MassDOT inspects the bridges routinely every 2 years to check for deterioration. Through these inspections, MassDOT has identified that the girders and the deck need to be replaced.

Existing Conditions - Bridge

Narrow Bridge width.



Closure required steel beam repairs.





**What do we
want to
accomplish?**



Project Goals

- Bridge Replacement
 - Recent repairs made to steel stringers
 - Cracks in the deck
 - Concrete deteriorating
- Roadway widening and pavement improvements
- Update guardrail to meet current standards
- Improved safety for all users



**What
alternatives
were
considered?**

Design Alternatives

Bridge Types Considered

- Prestressed concrete Butted Deck beams
- Conventional Steel beams with Composite Concrete Deck

Roadway Improvements

- Vehicle lane configuration
- Construct appropriate shoulders
- Drainage improvements

Construction Duration

- Implement Accelerated Bridge Construction (ABC)
- Minimize site disturbance

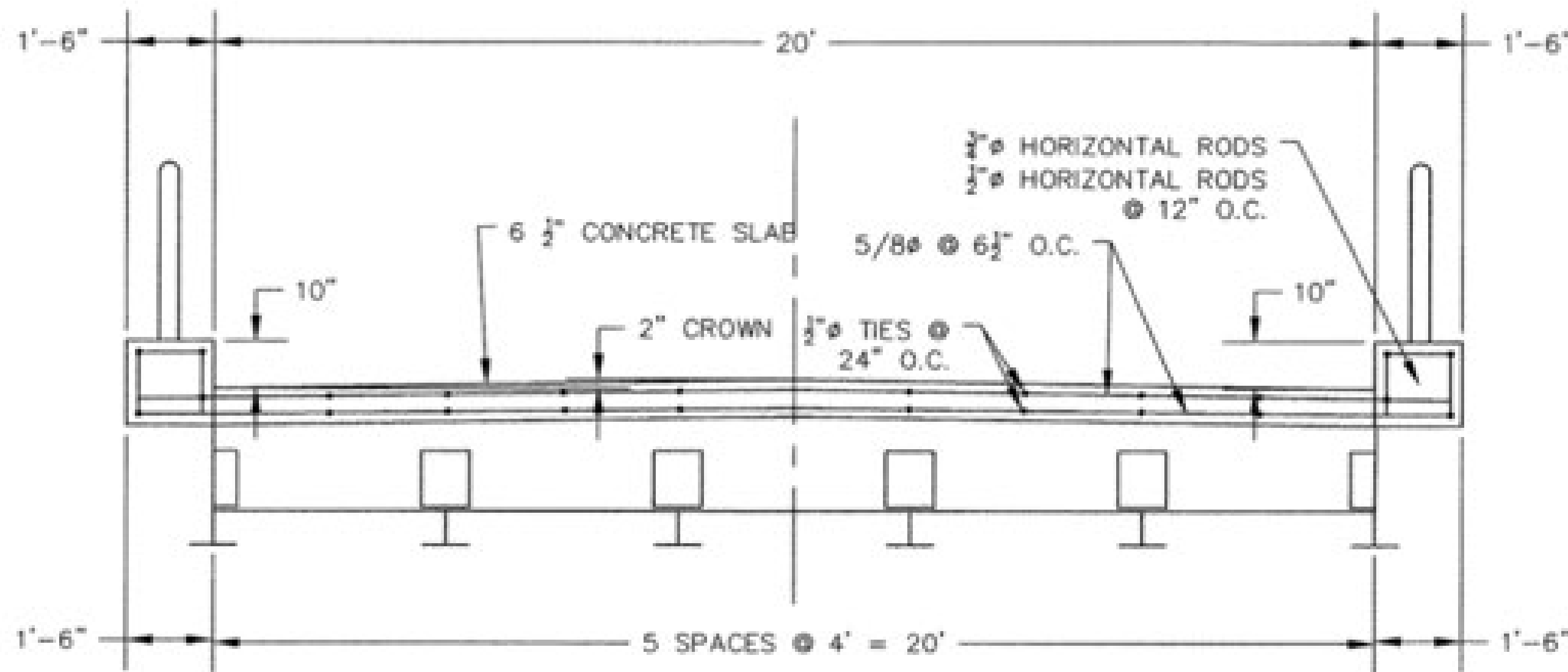




**What is the
preferred
alternative?**

Existing Bridge Section – Sand Mill Road Bridge

- Narrow width, 20 feet, no defined shoulders.
- Deteriorating steel beams.

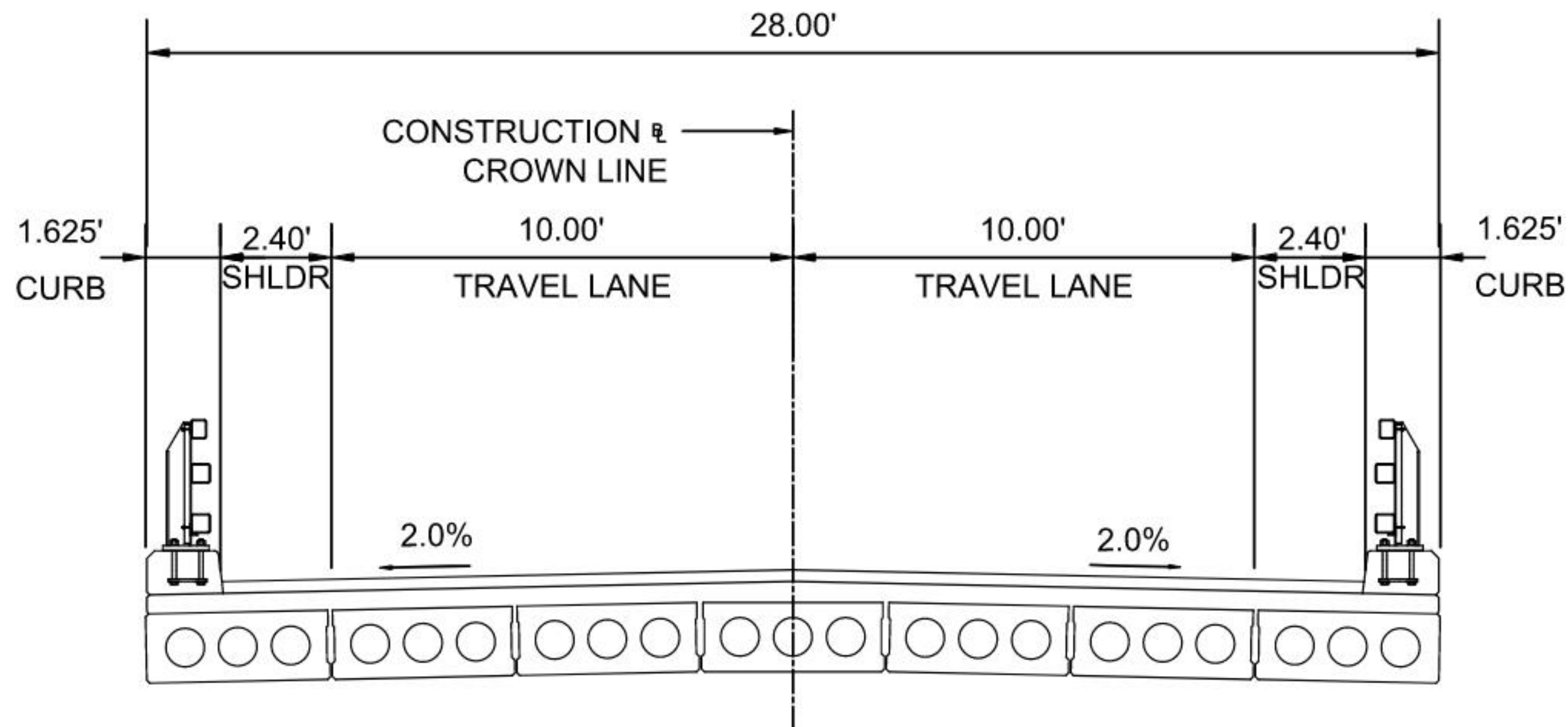


CROSS SECTION – ORIGINAL CONSTRUCTION

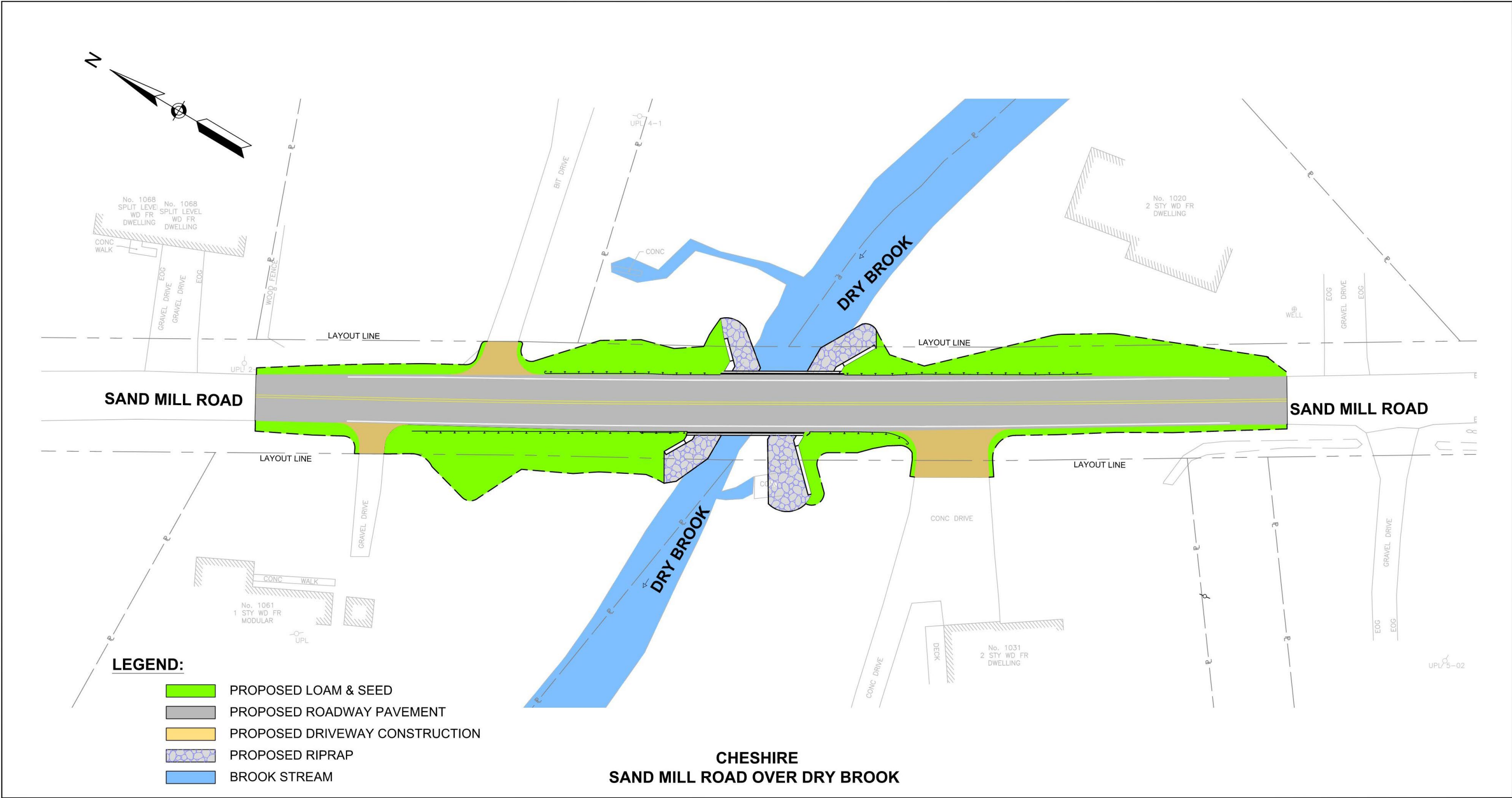
SCALE: 1"=5'

Proposed Bridge Section – Sand Mill Road Bridge

- Proposed travel lanes – 10'-0" wide and 2'-0" min. shoulders.
- Precast Concrete Deck Beams – Accelerated Bridge Construction.



Proposed Plan - Sand Mill Road





**How will
bicyclists and
pedestrians
be impacted?**

Healthy Transportation Directive

- There are No Bicycle Facilities within close proximity of the project.
- There are No existing sidewalks on the bridge.
- **Waiver to MassDOT's Healthy Transportation Directive has been Approved**



**How will your
property be
impacted?**

Right of Way (ROW) discussion – 25% Design

- Responsible for acquiring all necessary rights in public land for design, construction, and implementation of a project.
- Affected property owners will be contacted by personnel from the ROW Bureau or consultants representing Town of Cheshire.
- Procedures must comply with state and federal regulations governing the acquisition process.
 - Property owners are protected under Massachusetts General Laws, primarily Chapter 79.
 - If project receives federal funds, property owners are further protected under Title III of the Real Property Act of 1970, as amended.
- Permanent and temporary construction easements may be required.



**What are the
environmental,
cultural
resource, and
community
impacts?**

Environmental Permitting

- National Environmental Policy Act (NEPA)
- National Historical Preservation Act of 1966 – Section 106
- Bridge Exempt: No filing for Wetland Protection Act, Chapter 91, and Massachusetts Environmental Policy Act (MEPA)
- Section 404 – Army Corps of Engineers
- Section 401 – MA DEP





**What is the
construction
approach?**

Construction Methods

- Complete Bridge Replacement will require large equipment
- Minimize noise and disturbance
- Maintain access to driveways
- Utilities will be maintained during construction
- Implement dust control measures



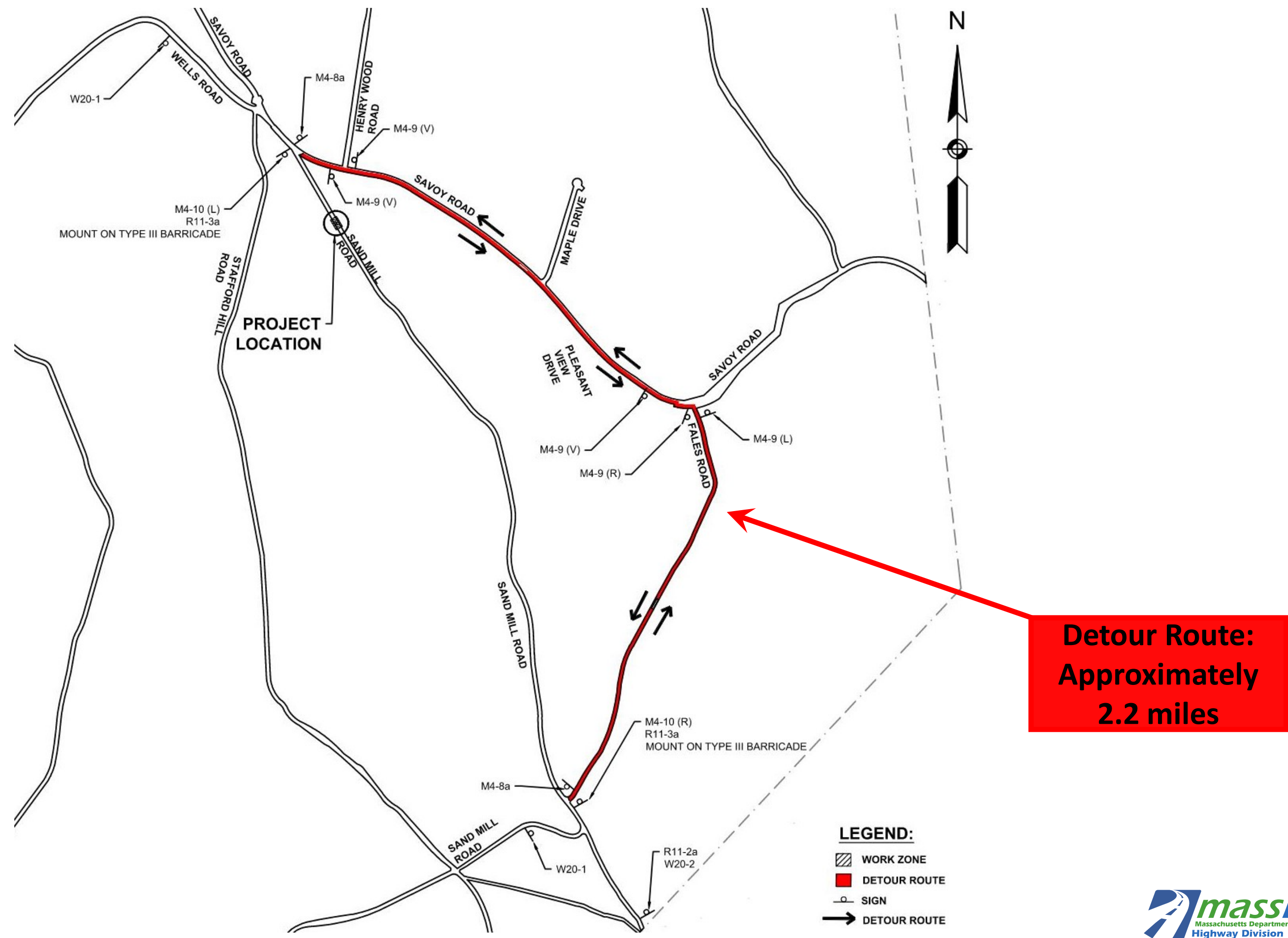
**How will the
road user be
affected?**

Impacts to the Community – Local Detour

- A Temporary Full Traffic Detour will be established during construction
 - Emergency Response will be notified
 - Local abutters will be notified in advance
- Completed construction will provide a safe traveled way across Dry Brook

Detour Plan

Sand Mill Road will be closed to thru traffic, local access only, detour will utilize Savoy Road and Fales Road.



Our next steps



Address Public
Hearing Comments



Proceed with 75%
and Final Design



Coordinate ROW,
easement
negotiations and
appraisals and obtain
environmental
approvals



Prepare Bid
Documents and
Advertise



Construction



**How will we
keep you
informed?**

Contact Information

- **MAIL: Submit comments to:**

Carrie Lavallee, P.E.
Deputy Administrator / Chief Engineer
Suite 6340
10 Park Plaza
Boston, MA 02116
Attention: Project Management, Project File No. 608857



- **EMAIL: Submit comments to:**

MassDOTMajorProjects@dot.state.ma.us

Subject: MassDOT Project File No. 608857

- Statements and exhibits intended for inclusion in the public hearing transcript must be emailed or postmarked no later than ten (10) business days after the hearing is posted to the MassDOT website: www.mass.gov/massdot-highway-design-public-hearings



**Questions and
discussion**

Questions and answers



- “Raise your hand” to be unmuted for verbal questions



- Submit your questions and comments using the Q&A button



- Please state your name before your question



- Please share only 1 question or comment at a time, limited to 2 minutes, to allow others to participate



- To ask a question via phone, dial *9 and the moderator will call out the last 4-digits of your phone number and unmute your audio when it is your turn.



- Please take a few minutes to complete the survey after the meeting to let us know how your experience was with this virtual meeting.

**All questions and comments are subject to disclosure for public records.
Please use these functions for project related business only.**



Thank You

Sand Mill Road over Dry Brook, Cheshire – Bridge Replacement

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Project Manager: Hung Pham